

## **Environmental Protection Department**

**The Environmental Protection** Department (EPD) is the lead nization for operational toring, regulatory compliance, dwater cleanup and envi toration, and hazardous and effectively until they meet ime, we ensure that current research nvironmental regulations and do not lversely affect the surrounding ivironment, the community, and carefully monitoring all chemicals used at the Laboratory to ensure that they are andled and disposed of properly. Our program is responsible for instituting tate-of-the-art environmental practices ensure that LLNL continues to protect

## **Environmental Monitoring**

Ambient air monitoring is performed to evaluate compliance with local, state, and federal laws health and the environment are protected from hazardous and radioactive air emissions. In general, the airborne substances for which LLNL monitors are at levels far below regulatory standards.



collected samples for the presence of tritium, a radioactive

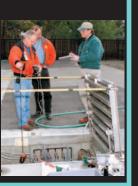


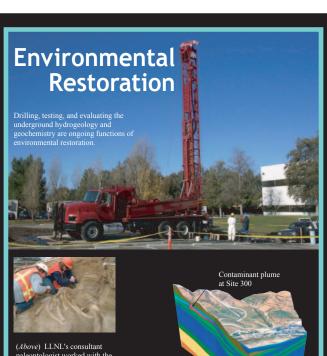
(Right) Air is sampled



organic compounds in print press inks is monitored to ensure we meet the local air district

nagement efforts





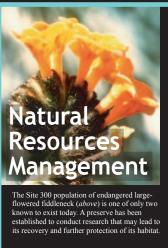
aleontologist worked with the environmental Protection Department's archaeologists geologists, and biologists to ecover mammoth bones during Ignition Facility

(Below) The gasoline additive, MTBE, is highly mobile and resistant to radation. Our microcosm studies of MTBE evaluate small samples of California sites known to contain leaking derground fuel tanks. Our goal is to





technologies to clean up source area sediments. Clean up is being accomplished by ground water and soi



researching and monitoring two speci status birds of prey: the western burrowing owl (right) and the white-



The highly specialized habitat of the Alameda whip snake (below) contributes to its listing as a





ature Optical Lair Explorer (MOLE) has been used to access the underground habitats of burrowing owls and other protected species such as the American Badger, San Joaquin kit fox, and California tiger a study of the Siberian badger and



(Above) Low-level radioactive waste is prepared

Waste Management developing innovative solutions for hazardous waste

treatment certification and

is investigating a safe process depleted metallic uranium wastes into a form suitable for